

2012-2013 AP Environmental Science Summer Assignment

Ms. Johnson

(Modified from Ms. Tamar Cunha)

Dear AP Environmental Science student,

There are three parts to your summer homework that will give you an overview of the course content and review important analytical (math and graphing) skill. There's no time to waste!

First, complete the **graphing and mathematics review packets** WITHOUT USING a calculator. Please read the directions and show all your work.

Secondly, everyone will read [Saving energy and its cost](#) (**attached**) and write a reaction paper with the following guidelines: (1) First paragraph should address the difference between "command-and -control" regulation versus market-driven regulation. (2) The next paragraph should address the role of public education in the issue, using the broadest sense of what constitutes education. (3) In the last paragraph, please explain what we mean by "carrot and stick" and give are some examples of carrots and sticks with respect to environmental issues.

Finally, please find an **article about each of the following topics** and write a summary and opinion/ reaction for it. You should include a link to the article and the written portion should be about 1 page long at 1.5 spaces (longer is acceptable, especially if you want to double space it, instead). You are expected to spend about half an hour on each topic.

Please keep in mind the position of the person writing the article, and address any source of bias on the author's part. You may choose a blog or company website, but then the issue of bias is of greater importance. Wikipedia pages are not appropriate for this. Other, good sources include NPR, The New York Times, the BBC, The Economist, National Geographic, etc.

The topics include:

- Species Conservation
- Availability of drinking water
- Water Pollution
- Air Pollution
- Agriculture
- Mining
- Nonrenewable Energy Sources
- Climate Change
- Environmental Legislation
- Human Health

The packets and articles assignment is due on the first day of class. Note: the articles assignment needs to be emailed to me so I can click on the links (kpjohnson@philasd.org). Each packet is worth 60 points. The first article paper is worth 10 points, with each of the subsequent article summary/reaction worth 5 points, for a total of 60 points. That means each assignment is roughly the same as a test, so please take advantage of your time this summer to start off the year with an easy A. ☺

Sincerely,

Ms. Johnson

Science Teacher, George Washington High School

Knowles Science Teaching Fellow